| Index of Claims |
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| Application/Control | No. |  |
|---------------------|-----|--|
|                     |     |  |

10/049,507 Examiner Applicant(s)/Patent under Reexamination

PETERS ET AL.

William C. Vaughn, Jr.

2143

| R  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |  |          |          | С                  | Date     | •        | -        |          |           | Cla             | im       |                     |              |         | Date   |          |                               | ]!!!!    | CI            | aim        |          |          |              | С        | ate      |              |               |           |          |
|----------|----------|--|----------|----------|--------------------|----------|----------|----------|----------|-----------|-----------------|----------|---------------------|--------------|---------|--|----------|-------------------------------|----------|---------------|------------|----------|----------|--------------|----------|----------|--------------|---------------|-----------|----------|
|          | _        | Ī.,  |          |          | I                  |          |          |          |          |           |                 | 1        |                     | T            | T       |  |          |                               | 1        |               |            |          |          |              |          |          |              |               |           |          |
| Final    | Original | 5/17/05  |          |          |                    |          |          |          |          |           | Final           | Original |                     |              |         |  |          |                               |          | Final         | Original   |          | 1        |              |          | -        |              |               |           | - 1      |
| 🛅        | Ę,       | 12   |          | 1        |                    |          |          |          |          |           | 🛅               | Öriç     |                     |              |         |  |          |                               |          | ίĒ            | Ĕ,         |          |          |              |          |          |              |               | 1         | - 1      |
|          | 0        | <b>"</b>   |          |          |                    |          |          |          |          |           |                 |          |                     |              |         | <u>.                                    </u>     |          |                               | Jiiii    |               |            |          |          |              |          |          |              |               |           |          |
|          | 1        | R  |          |          |                    |          |          |          |          |           |                 | 51       |                     |              |         | П  |          |                               | ]        |               | 101        |          |          |              |          |          |              | $\Box$        |           |          |
|          | 2        | R  |          |          |                    |          |          |          |          |           |                 | 52       |                     |              |         |  |          |                               | ]        |               | 102        |          |          |              |          |          |              |               | $\square$ |          |
|          | 3        | R  |          |          |                    |          |          |          |          |           |                 | 53       |                     | Ţ            |         |  |          |                               | ]::::    |               | 103        |          |          |              |          |          |              | $\Box$        | $\Box$    |          |
|          | 4        | R  |          |          |                    |          |          |          |          |           |                 | 54       |                     |              |         |  |          |                               |          |               | 104        |          |          |              |          |          |              |               |           |          |
|          | 5        | R  | L        | Ш        |                    |          |          |          |          |           |                 | 55       |                     | ┸            |         | $\Box$   |          |                               | ]        |               | 105        |          | Ш        |              |          |          |              | $\perp$       |           |          |
|          | 6        | R  | L        | Ш        |                    |          | $\perp$  |          |          |           | $\Box$          | 56       | $\Box$              | $\perp$      |         | $\sqcup$   |          | $\sqcup \! \! \! \! \! \perp$ | ]        |               | 106        |          | Ц        | _            |          |          |              | ightharpoonup | $\perp$   |          |
|          | 7        | R  | _        | Щ        | _                  | $\perp$  | _        |          |          |           | $\Box$          | 57       | $\perp$             | $\perp$      | 1_      | $\Box$   |          | oxdot                         | _ :::::  |               | 107        | Щ        | Щ        | _            | $\Box$   | _        | _            | 4             | 4         |          |
| <u> </u> | 8        | R  | ᆫ        | Ш        | _                  |          | _        |          |          |           |                 | 58       |                     |              | ↓_      | Ш  |          |                               | _[       |               | 108        |          | Ц        | _            |          | _        | _            | 4             |           |          |
|          | 9        | R  | <u> </u> | Ш        | _                  | $\dashv$ | _        | _        |          |           | Ш               | 59       | $\sqcup$            |              | ↓_      |  |          | $\sqcup \bot$                 | <b>.</b> |               | 109        |          | Ш        | _            | $\sqcup$ | _        | _            | 4             | <u></u>   | ᆜ        |
| <u> </u> | 10       | R  | <u> </u> | $\sqcup$ | _                  | $\dashv$ | _        | _        | _        | _         | ш               | 60       | $\dashv$            | 4            | 4       |  |          | oxdot                         | 4        | <u> </u>      | 110        | $\vdash$ | $\sqcup$ | _            |          | _        |              | 4             | $\dashv$  | _        |
| <u> </u> | 11       | <u> </u>   | ⊢        | Н        | 4                  | $\perp$  | _        |          | $\Box$   | _         | igsquare        | 61       | $\vdash \downarrow$ | 4            | $\perp$ | $\sqcup$   | -        | $\vdash \vdash$               | 4        |               | 111        | $\vdash$ | $\sqcup$ |              |          |          | $\downarrow$ | 4             | $\dashv$  | _        |
|          | 12       | <u> </u>   | ⊢        | ${oxed}$ | _                  | $\dashv$ | 4        | _        |          |           | $\vdash$        | 62       | $\vdash$            | _            | ╀       | ⊢  | 4_       | $\vdash \vdash$               | 4        | <u> </u>      | 112        | $\vdash$ | $\sqcup$ | _            | _        | _        | _            | 4             | 4         | ╝        |
| <u> </u> | 13       | <u> </u>   | <u> </u> | $\sqcup$ |                    |          |          | 4        |          |           | $\square$       | 63       | $\vdash$            | 4            | 4       | $\vdash$   | 4-       | - -                           | 4        | <u> </u>      | 113        | <u> </u> | $\sqcup$ |              |          | _        | _            | $\dashv$      | 4         | 4        |
|          | 14       | <u> </u>   | $\vdash$ | Н        | _                  | $\dashv$ | _        | $\dashv$ | $\Box$   |           |                 | 64       | -                   | +            | 4       | <del>                                     </del> | 44       | $\vdash\vdash$                | 4        |               | 114        | <u> </u> | Н        |              | $\dashv$ | _        | 4            | 4             | 4         | ᅴ        |
| <u> </u> | 15       | ⊢  | H        | dash     |                    | $\dashv$ |          | 4        | _        |           | $\vdash \vdash$ | 65       | -                   | +            | +       | ├  | -        |                               | -        |               | 115        | $\vdash$ | $\sqcup$ | _            | 4        | 4        | 4            | $\dashv$      | 4         | ᅴ        |
| <u> </u> | 16       | -  | $\vdash$ | $\dashv$ | $\dashv$           | -        |          | $\dashv$ |          |           | $\vdash \vdash$ | 66       | $\vdash$            | +            | +       |  | 4-       | $\vdash \vdash$               | -        | <u> </u>      | 116        | $\vdash$ | $\vdash$ | _            | $\dashv$ | _        | _            | +             | $\dashv$  | ᅴ        |
| ├        | 17       | ⊢  | $\vdash$ | $\vdash$ | $\dashv$           | $\dashv$ |          |          |          |           | $\vdash$        | 67       | $\vdash$            | +            | ┼       | $\vdash$   | -        | $\vdash \vdash$               | -        |               | 117        | $\sqcup$ | $\sqcup$ | _            |          |          | _            | +             | 4         | $\dashv$ |
| <u> </u> | 18       | _  | H        | $\dashv$ | $\dashv$           | $\dashv$ |          | $\dashv$ |          |           | $\vdash$        | 68       | -                   | -            |         | $\vdash$   |          | $\vdash$                      | -        |               | 118        |          | $\vdash$ |              |          |          | -            | +             | +         | ᅴ        |
|          | 19       | _  | _        | $\dashv$ | $\dashv$           | -        | -        | $\dashv$ | -        |           | $\vdash$        | 69       |                     | - -          | -       | -  | $\dashv$ | -                             | 4        |               | 119        |          | -        |              | 4        | _        | 4            | +             | +         | 긕        |
|          | 20       | ⊢  | _        | -        | -                  | -        | -        |          | -        | _         |                 | 70       |                     | -            | ┿       | $\vdash$   | _        |                               | -        |               | 120        |          | -        |              | -        | -        |              |               | $\dashv$  | 긕        |
|          | 21       | ⊢  | $\vdash$ | $\dashv$ | $\dashv$           | -        | -        | $\dashv$ | -        |           |                 | 71       | $\dashv$            | -            | +-      | $\vdash$   | +        |                               | -        |               | 121        |          |          | $\dashv$     | _        | _        | -            | -             | +         | 괵        |
|          | 22<br>23 | _  |          | $\vdash$ | $\dashv$           | $\dashv$ | -        | $\dashv$ |          |           |                 | 72       | $\dashv$            | +            | ┰       | $\vdash$   | $\dashv$ | $\vdash$                      | -        |               | 122        | Н        | $\dashv$ | -            | -        | _        | -            |               | +         | ᅴ        |
|          | 24       | ⊢  |          | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ |          |           | $\vdash$        | 73<br>74 |                     | +            | +       | $\vdash$   | +        | +                             | -        |               | 123<br>124 |          | $\vdash$ |              | $\dashv$ | -        | -            | +             | $\dashv$  | ᅴ        |
|          | 25       | ⊢  |          | $\vdash$ | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$ |          | -         |                 | 75       | +                   | +            | +       | ┤  | +        | $\vdash$                      | -        |               | 125        | -        | $\vdash$ |              | $\dashv$ | -        | -            | +             | +         | $\dashv$ |
|          | 26       | ┢  | _        | $\vdash$ | $\dashv$           | $\dashv$ |          | $\dashv$ | $\dashv$ | -         |                 | 76       | -                   | ╅            | +       | ╁  | $\dashv$ | -                             | -        |               | 126        | Н        | $\vdash$ | -            | -        | -        | $\dashv$     | +             | $\dashv$  | $\dashv$ |
| $\vdash$ | 27       | $\vdash$   |          | $\vdash$ | -                  | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | -         | $\vdash$        | 77       | +                   | +            | +       | ╁┼   | +        |                               | -        |               | 127        | H        | $\vdash$ | $\dashv$     | -        |          | $\dashv$     | +             | +         | $\dashv$ |
|          | 28       | $\vdash$   | $\vdash$ | -        |                    | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | -         | $\vdash$        | 78       | -                   | +            | +       | ╁┼   | $\dashv$ | $\vdash$                      | ┨Ш       |               | 128        | Н        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$     | +             | +         | ᅱ        |
|          | 29       | -  |          |          | $\dashv$           | $\neg$   | -        | -        | $\dashv$ | _         | $\vdash$        | 79       | +                   | +            | +       | $\vdash$   | +        |                               | -        |               | 129        | Н        | $\vdash$ | ᅱ            |          | $\dashv$ | $\dashv$     | +             | +         | ㅓ        |
| _        | 30       | ┢  | $\vdash$ | $\dashv$ | $\dashv$           |          | -        | $\dashv$ | -        | $\dashv$  |                 | 80       | +                   | +            | +       | $\vdash$   | _        | -                             | ┨┈       |               | 130        | Н        | -        |              | $\dashv$ | $\dashv$ | +            | +             | +         | $\dashv$ |
|          | 31       | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$           | -        | -        | $\dashv$ | .        | -         | <del></del>     | 81       | -                   | +            | +       | $\vdash$   | +        | +                             | ┨        | <del></del> - | 131        | $\vdash$ | $\dashv$ | $\dashv$     | +        | -+       | $\dashv$     | +             | +         | ᅱ        |
|          | 32       | $\vdash$   |          | $\vdash$ | $\dashv$           | +        | +        | $\dashv$ | $\dashv$ |           | ┝─┤             | 82       |                     | +            | +       | $\vdash$   | +        | $\vdash \vdash$               | ┧║║      |               | 132        | Н        | $\vdash$ | ┪            | +        | $\dashv$ | +            | +             | 十         | ᅥ        |
|          | 33       | $\vdash$   |          | $\vdash$ | $\dashv$           |          | $\dashv$ | $\dashv$ | $\dashv$ | -         | $\vdash$        | 83       | +                   | +            | +       | $\vdash$   | $\dashv$ | $\vdash$                      | 1        |               | 133        | $\vdash$ | $\dashv$ | <del> </del> | -        | +        | +            | +             | +         | ㅓ        |
|          | 34       | <del>                                     </del> |          | $\vdash$ | 一                  | $\dashv$ | 一        |          | $\dashv$ |           |                 | 84       | $\dashv$            | 十            | +       | $\vdash$   | +        | $\vdash$                      | 1        |               | 134        | H        | $\vdash$ | -            | +        | 7        | +            | 十             | 十         | ᅱ        |
|          | 35       | Г  |          | $\Box$   | 寸                  | 寸        | ┪        | $\neg$   | $\dashv$ | $\neg$    |                 | 85       | 十                   | $\top$       | 1       | $\sqcap$   | $\top$   | $\vdash$                      | 1        |               | 135        | Н        | $\vdash$ | 寸            | $\dashv$ | $\dashv$ | +            | 十             | 十         | ㅓ        |
|          | 36       | $\vdash$   |          |          | 一                  | 7        | 7        | $\neg$   | $\neg$   |           | $\vdash$        | 86       | $\neg$              | $\top$       | T       | $\Box$   | $\dashv$ | $\vdash$                      |          |               | 136        | Н        | $\vdash$ | 寸            | 寸        | +        | $\dashv$     | 十             | $\dashv$  | $\dashv$ |
|          | 37       | Г  |          |          | 寸                  | 寸        | 7        | $\neg$   |          | $\exists$ | $\vdash$        | 87       | $\dashv$            | $\top$       | †       | $\Box$   | $\top$   | $\vdash$                      | 1        |               | 137        | Н        | $\vdash$ | _            | $\dashv$ | 7        | +            | 十             | 十         | ㅓ        |
|          | 38       |  |          |          | 寸                  | 寸        | 寸        | $\neg$   |          | ╗         |                 | 88       | $\dashv$            | $\top$       | 1-      | $\Box$   | $\top$   | ۰                             | 1        |               | 138        | Н        | $\dashv$ | 一            | $\dashv$ | $\dashv$ | $\dashv$     | $\top$        | 十         | ㅓ        |
|          | 39       |  |          |          | 寸                  | 7        |          | ヿ        | $\dashv$ | ┪         |                 | 89       | $\neg$              | _            | T       |  | $\top$   |                               | 1        |               | 139        | П        | $\Box$   | 寸            |          | 寸        | $\dashv$     | 十             | 十         | ㅓ        |
|          | 40       |  | ·        |          | 寸                  |          | 寸        | $\neg$   | 寸        |           |                 | 90       |                     | $\top$       | $\top$  |  | $\top$   |                               | 1        |               | 140        | П        | $\sqcap$ | 一            | 7        | ┪        | +            | 十             | 十         | ㅓ        |
|          | 41       |  |          |          | 寸                  | 7        | $\dashv$ |          | T        |           | $\Box$          | 91       |                     | T            | T       | ΙT   | $\top$   |                               | 1        |               | 141        | П        | $\sqcap$ | 一            | 寸        | $\dashv$ | 1            | $\top$        | $\top$    | ㅓ        |
|          | 42       |  |          |          |                    |          |          | $\Box$   |          |           |                 | 92       | $\neg$              | 1            |         | $\sqcap$   | $\top$   |                               | 1        |               | 142        |          | $\sqcap$ | 一            | $\neg$   | $\dashv$ | $\dashv$     | 十             | $\top$    | ٦        |
|          | 43       |  |          |          |                    | _1       | _1       | $\Box$   |          | $\neg$    |                 | 93       |                     | T            | T       | П  |          |                               | 1        |               | 143        |          |          | $\neg$       | 寸        |          | 寸            | 十             | $\top$    | ᅦ        |
|          | 44       |  |          |          |                    |          |          |          |          |           |                 | 94       |                     |              |         |  |          |                               | ]        |               | 144        |          |          |              |          |          | 丁            | $\top$        | $\top$    | T        |
|          | 45       |  |          |          | $\Box$             | $\Box$   | $\Box$   |          |          |           |                 | 95       |                     | Т            |         |  |          |                               |          |               | 145        |          |          |              |          |          | 丁            | $\neg$        | $\top$    | T        |
|          | 46       |  |          |          |                    | $\Box$   | T        |          |          |           |                 | 96       |                     | I            |         |  |          |                               |          |               | 146        |          |          | $\Box$       |          |          |              | $\top$        | $\top$    | ٦        |
|          | 47       |  |          |          | J                  | $\Box$   | 丁        |          |          |           |                 | 97       |                     | ]            |         |  |          |                               | ]        |               | 147        |          |          | J            | 丁        |          |              | ⇉             | 丁         | $\neg$   |
|          | 48       |  |          |          |                    |          |          |          |          |           |                 | 98       |                     | Τ            |         |  |          |                               |          |               | 148        |          |          |              |          |          | $\Box$       | T             | T         |          |
|          | 49       |  |          |          | $\Box$             | $\Box$   | $\Box$   |          |          |           |                 | 99       | $\Box$              | $oxed{oxed}$ |         |  |          |                               |          |               | 149        |          |          |              |          |          | $\Box$       | $\Box$        | $\Box$    |          |
|          | 50_      |  |          |          | $oldsymbol{\perp}$ | $\Box$   | $\Box$   |          |          |           |                 | 100      | T                   |              |         |  |          |                               | ]::::[   |               | 150        |          |          | T            | T        | Ţ        | Τ            |               | T         | П        |